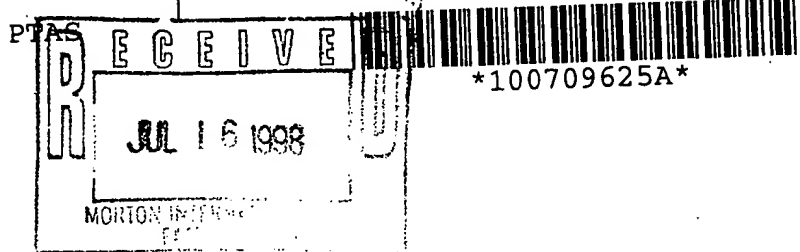




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JULY 09, 1998

MORTON INTERNATIONAL, INC.  
GERALD K. WHITE  
100 NORTH RIVERSIDE PLAZA  
CHICAGO, ILLINOIS 60606-1596



UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION  
OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
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CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/05/1998

REEL/FRAME: 9156/0850  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
GOELA, JITENDRA S.

DOC DATE: 05/01/1998

ASSIGNOR:  
PICKERING, MICHAEL A.

DOC. DATE: 05/01/1998

ASSIGNEE:  
CVD, INC.  
185 NEW BOSTON STREET  
WOBURN, MASSACHUSETTS 01801

SERIAL NUMBER: 09072927  
PATENT NUMBER:

FILING DATE: 05/05/1998  
ISSUE DATE:

DOROTHY RILEY, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

05-14-1998



100709625

JCS51 U.S. PTO  
09/072927  
05/05/98

1. Assignor(s): Name: Jitendra S. Goela  
Name: Michael A. Pickering  
Name:  
Name:  
Name:

2. Assignee: Name: CVD, Inc.  
Address: 185 New Boston Street  
Woburn, MA 01801

3. Transaction to be recorded: Assignment of U.S. Patent(s) Application(s)  
Assignment execution date: May 1, 1998

4. ☒ The patent application document is filed together herewith, execution date: May 1, 1998

☐ Application previously filed, application no.:

☐ The patent(s) against which this assignment is to be recorded:

Patent No.	Patent No.
Patent No.	Patent No.
Patent No.	Patent No.

☐ See attached schedule for additional patents and/or applications.

5. Send Correspondence to: Gerald K. White  
Morton International, Inc.  
100 North Riverside Plaza  
Chicago, Illinois 60606-1596

6. Total number of applications and patents involved: 1

7. Fee payment being made at this time:

☒ Enclosed

☒ Recording assignment - first document  
(\$40.00; 37 CFR 1.21(h)(1))

1 at \$40.00 \$40.00

☐ Recording assignment - subsequent documents  
(\$25.00; 37 CFR(h))

at \$25.00 \$

05/11/1998 ASELLMAN 00000015 134722 09072927

Total fees enclosed \$40.00

04 FC:581 40.00 CH

8. Method of Payment of Fees:

☒ Charge Account No. 13-4722 in the amount of \$40.00.

9. Authorization to Charge Additional Fees:

☒ The Commissioner is hereby authorized to charge any additional fees by this paper to Account No. 13-4722.

10. **Instructions as to Overpayment:**

- ☒ Credit Account No. 13-4722  
☐ Refund

11. **Total number of pages, including cover sheet, attachments, and document:** 4

*To the best of my knowledge and belief, the information contained on this cover sheet is true and correct, and any copy submitted herewith is a true copy of the original document.*

Registration No.: 26,611

Tel. No. (312) 807- 2186

Date: May 5, 1998

C:\WP\DOCS\ASSOC\MAILED\35683300.COV

  
\_\_\_\_\_  
Signature of Attorney

Gerald K. White

\_\_\_\_\_  
Type or print name of attorney

100 North Riverside Plaza  
Chicago, Illinois 60606-1596

# Combined Declaration and Power of Attorney

Attorney's Docket No.: 3568-33-00

(Original, Design, National Stage of PCT, Supplemental, Divisional, Continuation or CIP Application)

As a below named inventor, I hereby declare that:

## Type of Application

This declaration is for the original application:

## Inventorship Identification

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR PRODUCING FREE-STANDING SILICON CARBIDE ARTICLES

## Specification Identification

the specification of which:

- a) ☒ is attached hereto.
- b) ☐ was filed on \_\_\_\_\_ as application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).
- c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

## Acknowledgements of Review of Papers and Duty of Candor

Thereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to the inventor to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

- ☐ In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.97.

## Priority Claim

I hereby claim foreign priority benefits under Title 35, United States Code Section 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international applications(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- d) ☒ no such applications have been filed.
- e) ☐ such applications have been filed as follows:

Earliest foreign application(s), if any, filed within 12 months  
(6 months for design) prior to this U.S. application.

Country	Application Number	Date of Filing (month, day, year)	Priority	Claimed
			Under 37	USC 119
			Yes	No
			Yes	No
			Yes	No
			Yes	No
			Yes	No

All foreign application(s), if any, filed more than 12 months  
(6 months for design) prior to U.S. application

#### Power of Attorney

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Gerald K. White - Reg. No. 26,611  
Wayne E. Nacker - Reg. No. 29,571  
Robert M. Didrick - Reg. No. 25,135  
Steven C. Benjamin - Reg. No. 36,087  
Charles N. Lovell - Reg. No. 38,012  
Henry W. Tarring, II - Reg. No. 38,743

#### Send Correspondence To

Gerald K. White  
Morton International, Inc.  
100 North Riverside Plaza  
Chicago, Illinois 60606-1596

#### Direct Telephone Calls To: (Name and telephone number)

Henry W. Tarring, II  
(703) 620-0561

#### Declaration

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## Signatures

Type or print full name of sole or first inventor Jitendra Singh Goela  
Inventor's signature Jitendra Singh Goela  
Date: May 1, 1998 Country of Citizenship: U.S.A.  
Residence: 12 Messina Drive, Andover, Massachusetts 01810  
Post Office Address: SAME

Type or print name of second joint inventor, if any Michael A. Pickering  
Inventor's signature Michael A. Pickering  
Date: May 1, 1998 Country of Citizenship: U.S.A.  
Residence: 246 Willard Street, Dracut, Massachusetts 01826  
Post Office Address: SAME

Type or print full name of third joint inventor, if any  
Inventor's signature:  
Date: Country of Citizenship  
Residence:  
Post Office Address: SAME

Type or print full name of fourth inventor, if any  
Inventor's signature  
Date: Country of Citizenship  
Residence:  
Post Office Address: SAME

Type or print full name of fifth joint inventor, if any  
Inventor's signature  
Date: Country of Citizenship  
Residence:  
Post Office Address: SAME

*As a named inventor of the inventions and/or discoveries set forth in an application for Letters Patent of the United States of America entitled:*

**METHOD AND APPARATUS FOR PRODUCING FREE-STANDING SILICON CARBIDE ARTICLES**

*executed on:* May 1, 1998

*I desire to assign to:* CVD, Inc., an Delaware Corporation

*whose corporate offices are at* 185 New Boston Street  
Woburn, MA 01801

*and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.*

*Now, therefore, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:*

*Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said letters Patent;*

*Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;*

*Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;*

4. *Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;*
5. *Bind my heirs and legal representatives, as well as myself, to do, upon Assignee's request and at its expense, but without additional consideration to me or them, all acts reasonable serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me or my heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures and reduction to practice of said inventions and discoveries.*

the best of my knowledge and belief, the information contained herein is true and correct.

The effective date of this instrument is the 1<sup>st</sup> day of May, 1998.

In testimony of which I have affixed my signature below.

(Signature)

Jitendra Singh Goela

Date: May 1, 1998

Residing at

Jitendra Singh Goela  
12 Messina Drive  
Andover, Massachusetts 01810

(Signature)

Michael A. Pickering

Date: May 1, 1998

Residing at

Michael A. Pickering  
246 Willard Street  
Dracut, Massachusetts 01826

(Signature)

\_\_\_\_\_

Date: \_\_\_\_\_

Residing at

(Signature)

\_\_\_\_\_

Date: \_\_\_\_\_

Residing at

(Signature)

\_\_\_\_\_

Date: \_\_\_\_\_

Residing at